

# CCI NEOSWELL STRIP

## Hydro Swelling Joint Sealant Strip

### Description

**CCI Neoswell Strip** is water swellable, hydrophilic rubber based, joint sealing strip for construction joints, cold joints, pipe penetrations, subterranean prefab constructions, etc. **CCI Neoswell Strip** compacted in in-situ concrete or between prefabricated concrete elements, will expand in contact with water and in this way fill the voids in the joints. Thanks to its flexibility and swell-capacities, **CCI Neoswell Strip** can absorb the movements of the construction.

The swell-capacities of **CCI Neoswell Strip** are reversible and infinite. The durability and effectiveness of the system thus largely exceed the life span of the construction.

### Domains of Application

**CCI Neoswell Strip** has been developed to resolve the most difficult waterproofing problem in nearly all areas of the construction sector. The most common applications are construction and cold joints in concrete, pipe penetrations, sewer systems, sub-terranean prefabricated concrete elements, temporary openings, etc.

**CCI Neoswell Strip** has already proven its efficiency in the construction of water treatment plants, underground car parks, water reservoirs, swimming pools, metro systems and other concrete constructions under relatively high-water pressure.

### Advantages

- ✓ Expands slowly to ensure non-disturbance of fresh concrete
- ✓ Resilience enough to fill small gaps and difficult profile of concrete
- ✓ Reversible swellability
- ✓ Does not corrode in fully immersed condition

### Indicative Characteristics

Expansion ratio, Contact with potable water	~3 times
Tensile strength, kg/cm <sup>2</sup>	15
Elongation at break [%]	> 300
Hardness shore A	> 40

### Method of Application

#### Surface Preparation

Prior to the installation of **CCI Neoswell Strip**, the surface should be evened, dry, clean, and free of oil, dust, and laitance. The surface of the joint should be completely dry, whenever necessary, a hot air blower should be used; the excess humidity will cause a lack of bonding and even release of the strip during the application.

#### Installation

**CCI Neoswell Strip** is applied with the help of nails or suitable adhesive. The glue is applied both on the concrete and the **CCI Neoswell Strip** and is allowed to dry (until tacky to the touch) in order to obtain maximal adhesion and easy application.

**CCI Neoswell Strip** is placed in the middle of the joints, between the inner and outer reinforcement bars. The minimum global covering concrete thickness around the **CCI Neoswell Strip** is to be at least 7 cm in order to counterbalance the expansion pressures of the strip. The **CCI Neoswell Strip** ends are simply butted together. A good and uniform adhesion of the strip to the concrete surface is of the utmost importance. For use in in-situ concrete, the strip can additionally be nailed to prevent it from slipping away during the concrete pour.

### Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C.

### Packaging

20 mm × 5 mm, 20 mm × 6 mm, 20 mm × 10 mm, 10 mm × 3 mm sizes are available in packs of 100 RMT length.

### Precautions

Do not store in moist areas.

### Safety

- ✓ Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- ✓ In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on [www.ccichemicals.in](http://www.ccichemicals.in) or contact us at [info@ccichemicals.in](mailto:info@ccichemicals.in).

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